Substitute for form 1449A/PTO (modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets if necessary)

Page 1 of 2

Application Number	09/990,604
Filing Date	November 21, 2001
First Named Inventor	Brady, John T.
Art Unit	1754
Examiner Name	
Attorney Case Number	57029US002

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	CLASS ~~Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear~~	SUBCLASS
DSM	A1	US- 2,220,966	11/12/40	Krchma	106	436
DSM	A2	US- 3,676,362	07/11/72	Yates	516	33
DSM	A3	US- 4,224,080	09/23/80	Chambers et al.	106	439
DSM	A4	US- 4,239,548	12/16/80	Barnard et al.	106	439
DSM	A5	US- 4,576,921	03/18/86	Lane	501	12
DSM	A6	US- 4,612,138	09/16/86	Keiser	516	88
DSM	A7	US- 4,968,498	11/06/90	Wautier et al.	423	593.1
DSM	A8	US- 5,049,309	09/17/91	Sakamoto et al.	516	90
DSM	A9	US- 5,104,929	04/14/92	Bilkadi	524	847
DSM	A10	US- 5,391,210	02/21/95	Bilkadi et al.	51	298
DSM	A11	US- 5,403,513	04/04/95	Sato et al.	516	90
DSM	A12	US- 5,451,252	09/19/95	Elfenthal et al.	106	436
DSM	A13	US- 5,644,007	07/01/97	Davidson et al.	526	64
DSM	A14	US- 5,652,192	07/29/97	Matson et al.	502	304
DSM	A15	US- 5,714,260	02/03/98	Okuda et al.	428	402
DSM	A16	US- 5,873,931	02/23/99	Scholz et al.	106	287.1
DSM	A17	US- 5,997,621	12/07/99	Scholz et al.	106	13
DSM	A18	US- 6,072,070	06/06/00	Albonetti et al.	558	319
DSM	A19	US- 6,189,340 B1	02/20/01	Burke et al.	65	399

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document Ctry. Code	Foreign Patent Document Number-KindCode (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	CLASS ~~Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear~~	SUBCLASS	Translation (Check if yes)
DSM	B1	WO	95/13251	05/18/95	3M	—	—	
DSM	B2	WO	00/06495	02/10/00	3M	—	—	
DSM	B3	WO	00/58962	10/05/00	—	—	—	

*Examiner: Daniel S. Metzmaier	Date Considered: 8-23-03

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Page 2 of 2	Examiner Name	
	Attorney Case Number	57029US002

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
DSB	C1	Ha et al., "Anatase-Rutile Transition of Precipitated Titanium Oxide with Alcohol Rinsing", Journal of Colloid and Interface Science (2000), Vol. 223, pp. 16-20, month unknown.
DSB	C2	"The production of man-made fibers: A challenge", Sachtleben Publications, Web Page: http://www.sachtleben.de/h/e/pub/1020e.phtml (presumed posted: 1999/03 - downloaded .pdf file)
DSB	C3	Eppler et al., "Effect of Antimony Oxide on the Anatase-Rutile Transformation in Titanium Dioxide", Journal of American Ceramic Society (1987), Vol. 70(4), pp. C-64 - C-66, month unknown.
DSB	C4	Yin et al., "Hydrothermal synthesis of nanosized anatase and rutile TiO_2 using amorphous phase TiO_2", Journal of Materials Chemistry (2001), Vol. 11, pp. 1694-1703, month unknown
DSB	C5	Ocana et al., "Low-Temperature Nucleation of Rutile Observed by Raman Spectroscopy during Crystallization of TiO_2", Journal of American Ceramic Society (1992), Vol. 75(7), pp. 2010-2012, month unknown.
DSB	C6	Aruna et al., "Nanosize rutile titania particle synthesis via a hydrothermal method without mineralizers",. Journal of Materials Chemistry (2000), Vol. 10, pp. 2388-2391, month unknown.
DSB	C7	Rentschler et al., "Optimum particle size is essential", Web Page: http://www2.coatings.de/ARTICLE.HTM (presumed posted on 3/19/99, originally published in European Coatings Journal, April 1999).
DSB	C8	Ozawa et al., "Preparation of Polycrystalline Antimonic Acid Films by Electrophoretic Deposition", Journal of Sol-Gel Science and Technology (2000), Vol. 19, pp. 595-598, month unknown.
DSB	C9	Bacsa et al., "Rutile Formation in Hydrothermally Crystallized Nanosized Titania", Journal of American Ceramic Society (1996), Vol. 79 [8], pp. 2185-2188, month unknown.
DSB	C10	Wang et al., "Sol-Gel Synthesis and Hydrothermal Processing of Anatase and Rutile Titania Nanocrystals", Chem. Mater. (1999), Vol. 11, pp. 3113-3120, month unknown.
DSB	C11	Gol'dshtein et al., "Structure of Solid Solutions in the System TiO_2-Sb_2O_3, and the Influence of Sodium, Present as Impurity, On Its Phase Formation", Translated from Izvestiya Akademii Nauk SSSR, Neorganicheskie Materialy, Vol. 10, No. 1, pp. 176-178, January 1974 (Original article submitted March 2, 1972)
DSB	C12	Ramos et al., "Synthesis, Structural Characterization and Properties of Solid Solutions Ti-Cu-Sb-O With Rutile Structure", Materials Research Bulletin (1992), Vol. 27, pp. 1431-1438, month unknown.

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U.S. Patent Documents					CLASS	SUBCLASS
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DSM	A1	US- 5,776,239	07/07/98	Bruno	106	437
	A2	US-				
	A3	US-				
	A4	US-				
	A5	US-				

Foreign Patent Documents						CLASS	SUBCLASS	
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DSM	B1	PCT	WO 00/44830	08/03/00		—	—	
	B2							
	B3							
	B4							
	B5							
	B6							
	B7							

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
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	C1	Vasilescu et al., "Sol-gel materials in TiO2-Sb2O3 system", Advances in Science and Technology (Faenza, Italy)(1995), 3B (Ceramics:Charting the Future), pp. 717-724, month unknown.
DSM	C2	STN - CAPLUS, AN - 1996:291799 (1996-month unknown.)
	C3	

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